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PTO/SB/17 (06-07)

Approved for use through 06/30/2007. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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<b>Effective on 12/08/2004.</b> Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		<b>Complete if Known</b>	
<b>FEE TRANSMITTAL</b> <b>For FY 2007</b>		Application Number	10/706,987-Conf. #7491
		Filing Date	November 14, 2003
		First Named Inventor	Youichi Tei
		Examiner Name	H. L. Pezzuto
		Art Unit	1713
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Attorney Docket No.	32307-192751
<b>TOTAL AMOUNT OF PAYMENT</b>		<b>(\$)</b>	<b>180.00</b>

**METHOD OF PAYMENT** (check all that apply)

☐ Check   ☐ Credit Card   ☐ Money Order   ☐ None   ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account   Deposit Account Number: 22-0261   Deposit Account Name: Venable LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☒ Charge fee(s) indicated below   ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17   ☒ Credit any overpayments

**FEE CALCULATION**

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	Fee (\$)	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
		Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	
Utility	300	150	500	250	200	100		
Design	200	100	100	50	130	65		
Plant	200	100	300	150	160	80		
Reissue	300	150	500	250	600	300		
Provisional	200	100	0	0	0	0		

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

**Total Claims**   **Extra Claims**   **Fee (\$)**   **Fee Paid (\$)**   **Multiple Dependent Claims**

\_\_\_\_\_ - 20 = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_   **Fee (\$)**   **Fee Paid (\$)**

HP = highest number of total claims paid for, if greater than 20.

**Indep. Claims**   **Extra Claims**   **Fee (\$)**   **Fee Paid (\$)**

\_\_\_\_\_ - 3 = \_\_\_\_\_ x \_\_\_\_\_ = \_\_\_\_\_

HP = highest number of independent claims paid for, if greater than 3.

**3. APPLICATION SIZE FEE**

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____	_____	_____ / 50 = _____ (round up to a whole number) x _____	_____	_____

**4. OTHER FEE(S)**

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement	180.00

<b>SUBMITTED BY</b>			
Signature	<i>[Signature]</i>	Registration No. (Attorney/Agent)	26,032
Name (Print/Type)	Marina V. Schneller	Telephone	(202) 344-4000
		Date	June 14, 2007

DC2DOCS1/867775



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

**Youichi TEI *et al.***

Application No. 10/706,987

**Confirmation No. 7491**

Filed: November 14, 2003

For: THERMOPLASTIC  
ALLYLOXYMETHYLSTYRENE-  
BASED RESIN

Art Unit: 1713

Examiner: Helen L. Pezzuto

Atty. Docket No. 32307-192751

Customer No.

26694

PATENT TRADEMARK OFFICE

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

This paper is filed in response to the Office Action mailed March 14, 2007. The Examiner is kindly requested to consider the enclosed references and initial and date the enclosed 1449, thereby indicating the Examiner's consideration of the two references.

In response to the outstanding Office Action, applicant's representatives in Japan found and relied upon the following references to explain the difference(s) in mechanisms of cyclization and polymerization:

T. Kodaira and F. Aoyama, "Mechanism of the Free-Radical Polymerization of N-n-Propyldimetacrylamide", Journal of Polymer Science, Polymer Chemistry Edition, Vol. 12, 897-910 (1974); and

T. Kodaira, "Structural Control during the Cyclopolymerization of Unconjugated Dienes", Progress in Polymer Science, Vol. 25, 627-676 (2000).

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01 FC:1886 180.00 DA

Copies of these references are attached hereto.

Reconsideration and an early allowance are respectfully solicited.

Respectfully submitted,

Dated:

June 14 2007 Marina V. Schneller

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	10/706,987
				Filing Date	November 14, 2003
				First Named Inventor	Youichi TEI et al.
				Art Unit	1713
				Examiner Name	Helen L. Pezzuto
Sheet	1	of	1	Attorney Docket Number	32307-192751

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA				
	AB				
	AC				
	AD				
	AE				
	AF				
	AG				
	AH				
	AI				
	AJ				

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	BA					
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	BH					
	BI					
	BJ					

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	KODAIRA, T. and F. Aoyama, "Cyclopolymerization. II. Mechanism of the Free-Radical Polymerization of N-n-Propyldimethacrylamide", <i>JOURNAL OF POLYMER SCIENCE</i> , Polymer Chemistry Edition, Vol. 12 (1974), p. 897-910.	
	CB	KODAIRA, T., "Structural Control During the Cyclopolymerization of Unconjugated Dienes", <i>Progress in Polymer Science</i> , Vol. 25 (2000), p. 627-676.	
	CC		
	CD		
	CE		

Examiner Signature	Date Considered
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